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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

YASUDA et al.

Atty. Ref.: 4706-15

Serial No. 10/587,543

TC/A.U.: unknown

Filed: July 28, 2006

Examiner: Unknown

For: RELAXOR FERROELECTRIC SOLID-SOLUTION SINGLE CRYSTAL,  
DEVICE, AND METHOD OF USING DEVICE

\* \* \* \* \*

August 24, 2006

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Supplemental to the Information Disclosure Statement filed July 28, 2006,  
attached are copies of the listed documents, all of which were cited in the International  
Search Report, a copy of which is also attached.

The Examiner is requested to initial the attached form PTO/SB/08a and to return  
a copy of the initialed document to the undersigned as an indication that the listed  
documents have been considered and made of record.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

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**INFORMATION DISCLOSURE  
CITATION**

(Use several sheets if necessary)

**Atty. Docket No.**

Serial No.

**4706-15**

**10/587,543**

**Applicant**

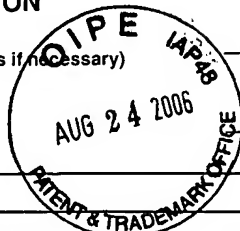
YASUDA et al.

Filing Date

~~TC/A.U.~~

**July 28, 2006**

unknown



## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

PUBLISHED PATENT DOCUMENTS							TRANSLATION	
		DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
		2003-270602 A	09/2003	JP				
		2001-509312	07/2001	JP				
		98/33220	07/1998	WO				

**OTHER DOCUMENTS** (including Author, Title, Date, Pertinent pages, etc.)

	International Search Report of PCT/JP2005/001275, mailed 17 May 2005
	COLLA et al., "Dielectric properties of (PMN) <sub>(1-x)</sub> (PT) <sub>x</sub> single crystals for various electrical and thermal histories", Journal of Applied Physics, Vol. 83, No. 6, (1998), Pages 3298-3304
	COLLA et al., "Dependence of dielectric relaxation on ac drive in [Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> ] <sub>(1-x)</sub> -(PbTiO <sub>3</sub> ) single crystals", Journal of Applied Physics, Vol. 85, No. 3, (1999), Pgs. 1693-1697
	LU et al., "Structural and electro-optic properties in lead magnesium niobate titanate thin films, Applied Physics Letters, Vol. 74, No. 20, (1999), Pgs. 3038-3040
	LU et al., "Photoelastic effects in tetragonal Pb (Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -RbTiO <sub>3</sub> single crystals near the morphotropic phase boundary, Journal of Applied Physics, Vol. 89, No. 9, (2001), Pgs. 5075-5078
	KUWATA et al., "Phase transitions in the Pb (Zn <sub>1/3</sub> Nb <sub>2/3</sub> ) O <sub>3</sub> -PbTiO <sub>3</sub> system, Ferroelectrics, Vol. 37, (1981), Pgs. 579-582
	FUJISHIRO et al., "Optical and structural studies of long-range order development in relaxor ferroelectrics", Journal of the Physical Society of Japan, Vol. 69, No. 7, (2000), Pgs. 2331-2338
	HAN et al., "Electric field effects on the phase transitions in [001]-oriented (1-x) Pb (Zn <sub>1/3</sub> Nb <sub>2/3</sub> ) O <sub>3</sub> -xPbTiO <sub>3</sub> single crystals with composition near the morphotropic phase boundary, Physical Review B, Vol. 68, No. 13, (2003), Pgs. 134102.1 to 134102.6

*Examiner		Date Considered	
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.